

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012915\
 Data File : BE089426.D
 Acq On : 30 Jan 2015 00:19
 Operator : TP/IZ
 Sample : G1110-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MPE-15

Quant Time: Jan 30 07:34:09 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 03:48:17 2015
 Response via : Initial Calibration

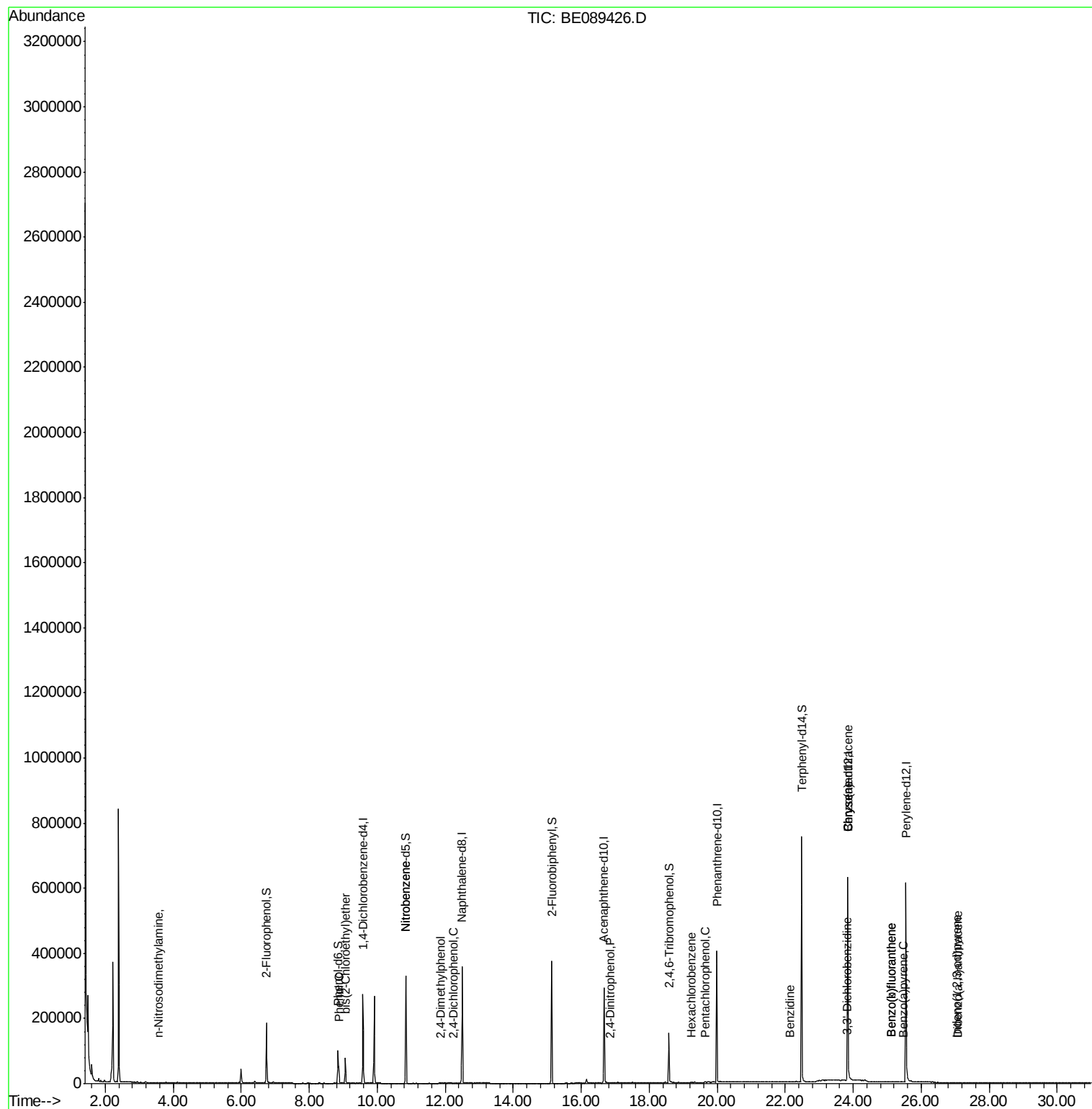
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	110574	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	397990	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	184925	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	382912	5.00	ng	0.00
20) Chrysene-d12	23.84	240	521741	5.00	ng	0.00
27) Perylene-d12	25.55	264	567890	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	124818	3.00	ng	0.00
4) Phenol-d6	8.85	99	88488	1.79	ng	0.00
8) Nitrobenzene-d5	10.84	82	240228	7.42	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	84465	16.55	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	336791	6.53	ng	0.00
22) Terphenyl-d14	22.48	244	617720	10.24	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.58	42	59	0.00	ng	# 1
5) Phenol	8.88	94	27030	0.50	ng	# 82
6) bis(2-Chloroethyl)ether	9.07	93	478	0.01	ng	# 1
9) Nitrobenzene	10.85	77	1088	0.03	ng	# 43
10) 2,4-Dimethylphenol	11.86	122	446	0.02	ng	# 82
11) 2,4-Dichlorophenol	12.23	162	27	0.00	ng	# 1
16) 2,4-Dinitrophenol	16.87	184	18	0.01	ng	# 1
18) Hexachlorobenzene	19.22	284	38	0.00	ng	# 1
19) Pentachlorophenol	19.66	266	644	0.18	ng	# 83
21) Benzidine	22.14	184	2171	0.05	ng	# 1
23) Benzo(a)anthracene	23.83	228	10551	0.03	ng	# 70
24) 3,3'-Dichlorobenzidine	23.81	252	828	0.03	ng	# 19
25) Chrysene	23.83	228	10551	0.02	ng	# 71
26) Indeno(1,2,3-cd)pyrene	27.05	276	474	0.01	ng	# 100
28) Benzo(b)fluoranthene	25.13	252	1297	0.02	ng	# 1
29) Benzo(k)fluoranthene	25.13	252	1297	0.01	ng	# 1
30) Benzo(a)pyrene	25.48	252	440	0.01	ng	# 1
31) Dibenzo(a,h)anthracene	27.08	278	479	0.01	ng	# 1

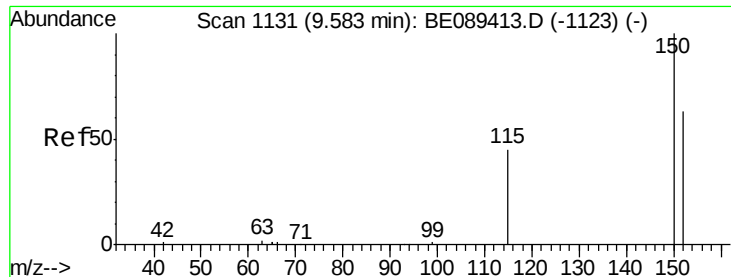
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

MPE-15

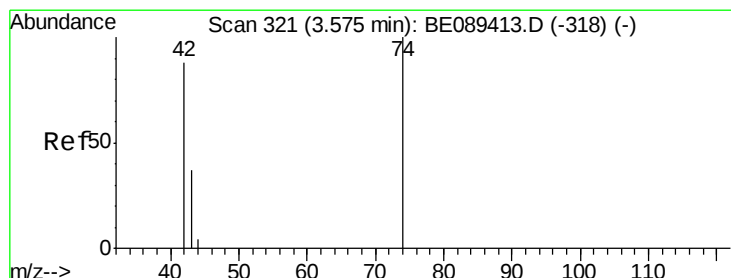
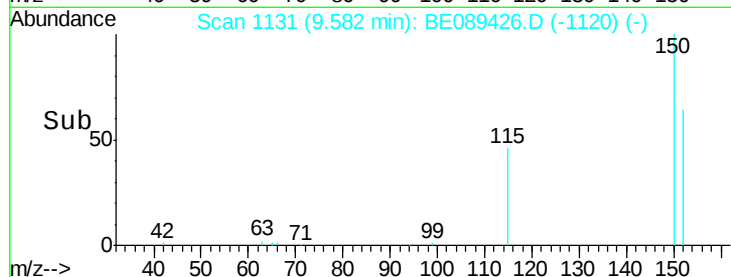
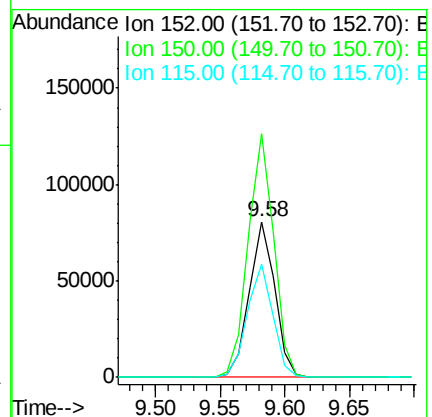
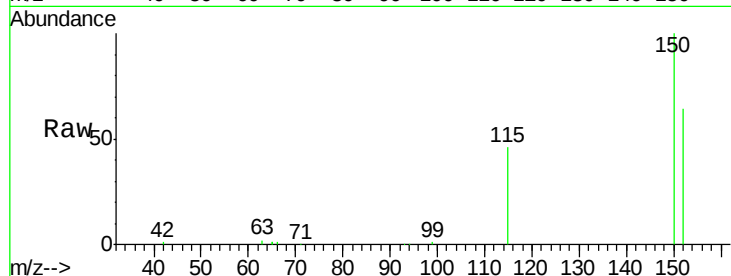
Tgt Ion:152 Resp: 110574

Ion Ratio Lower Upper

152 100

150 156.8 126.1 189.1

115 72.4 57.1 85.7



#2

n-Nitrosodimethylamine

Concen: 0.00 ng

RT: 3.58 min Scan# 322

Delta R.T. 0.01 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

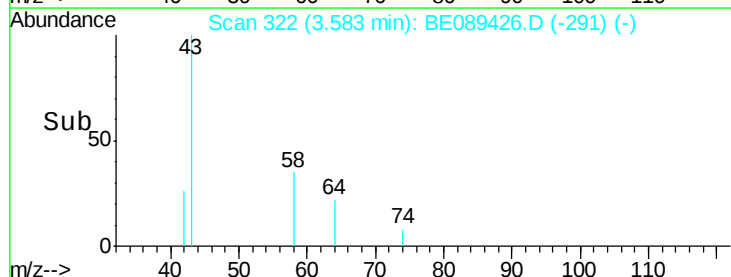
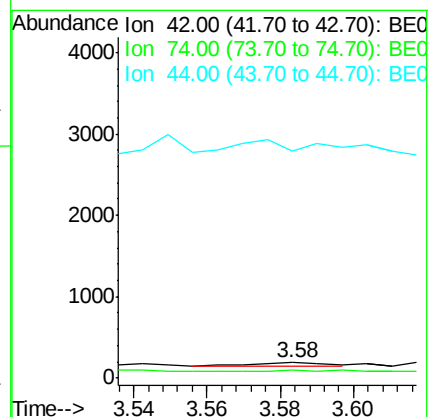
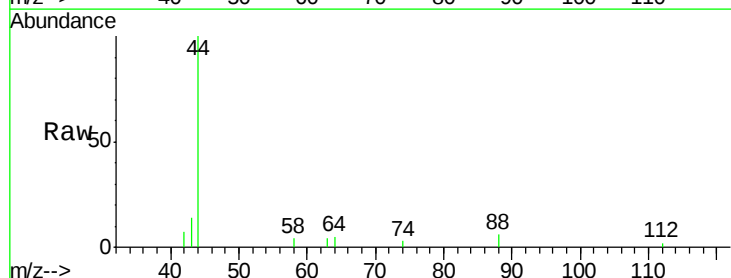
Tgt Ion: 42 Resp: 59

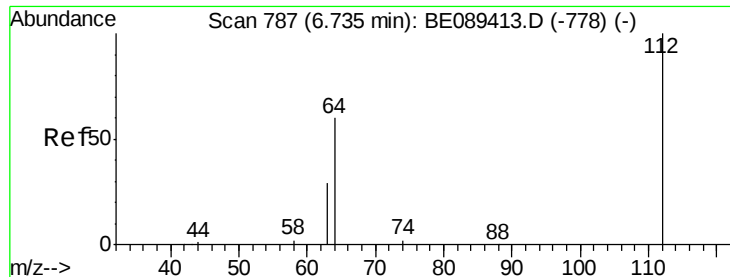
Ion Ratio Lower Upper

42 100

74 47.9 90.2 135.2#

44 1454.2 19.4 29.2#

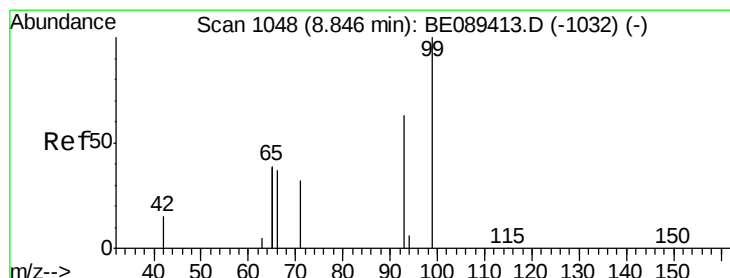
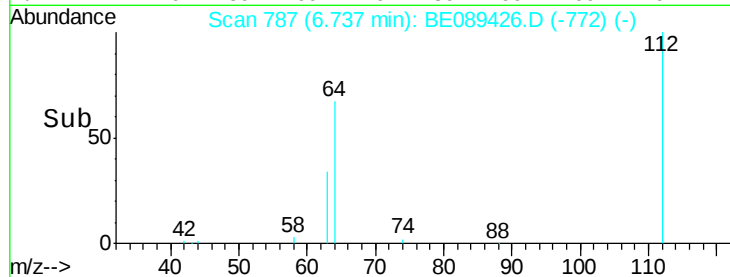
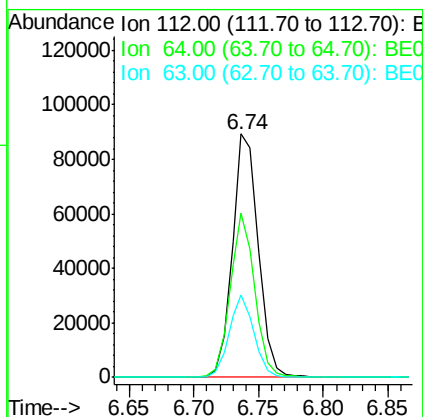
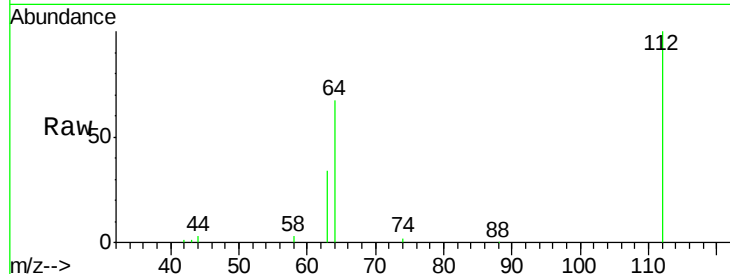




#3
 2-Fluorophenol
 Concen: 3.00 ng
 RT: 6.74 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BE089426.D
 Acq: 30 Jan 2015 00:19

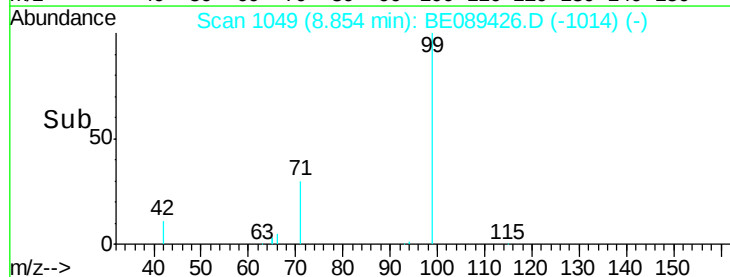
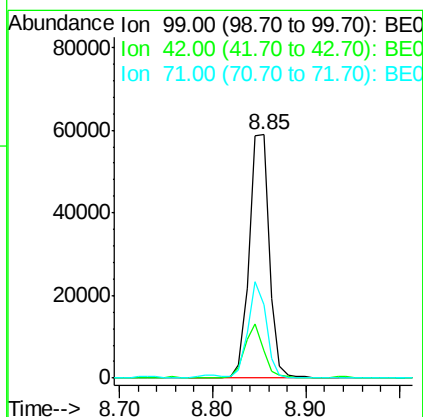
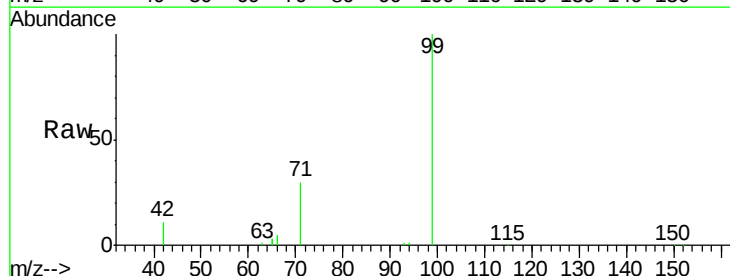
Instrument :
 BNA_E
 ClientSampleId :
 MPE-15

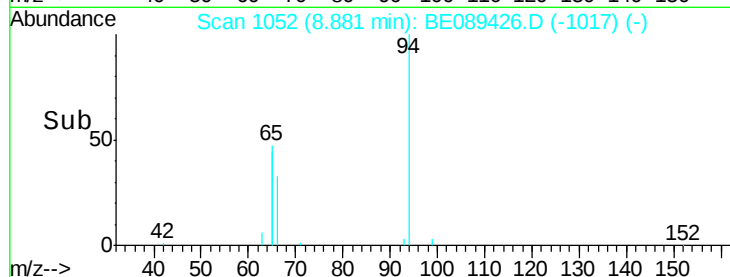
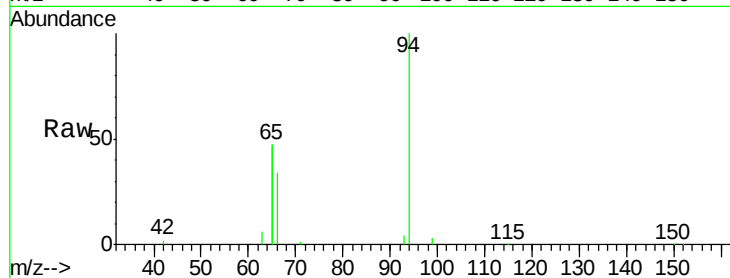
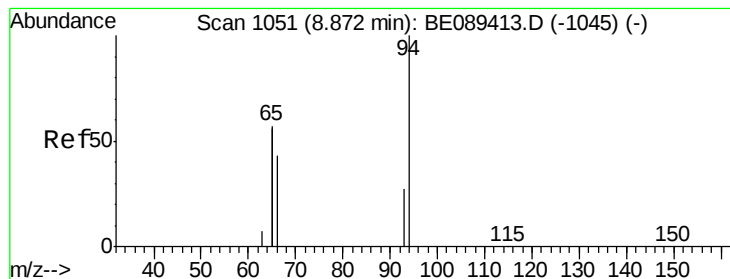
Tgt Ion: 112 Resp: 124818
 Ion Ratio Lower Upper
 112 100
 64 67.2 48.2 72.4
 63 33.8 23.5 35.3



#4
 Phenol-d6
 Concen: 1.79 ng
 RT: 8.85 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BE089426.D
 Acq: 30 Jan 2015 00:19

Tgt Ion: 99 Resp: 88488
 Ion Ratio Lower Upper
 99 100
 42 11.3 11.9 17.9#
 71 30.2 25.8 38.6





#5

Phenol

Concen: 0.50 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

MPE-15

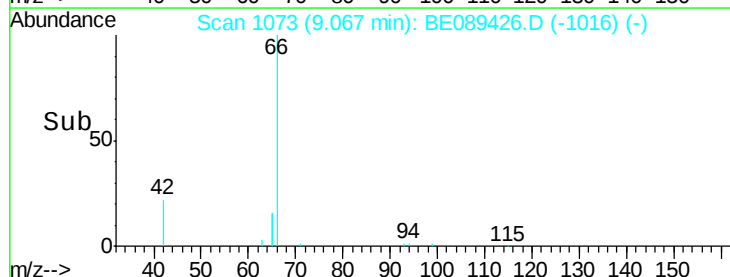
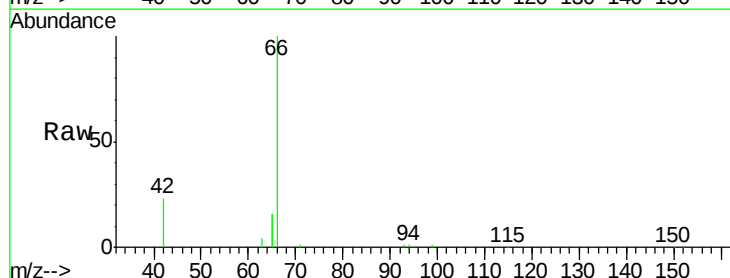
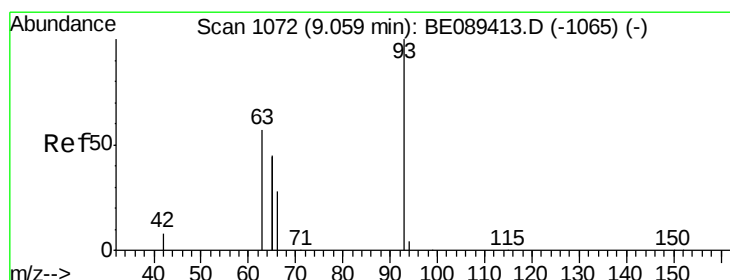
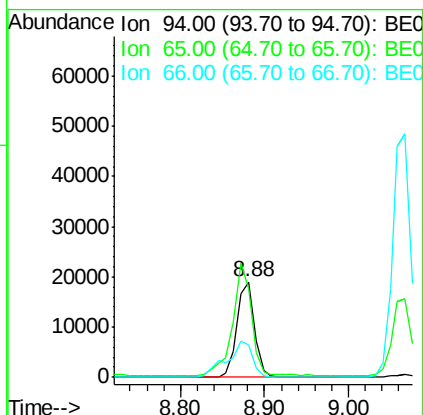
Tgt Ion: 94 Resp: 27030

Ion Ratio Lower Upper

94 100

65 93.2 93.3 133.3#

66 33.8 23.6 63.6



#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 9.07 min Scan# 1073

Delta R.T. 0.01 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

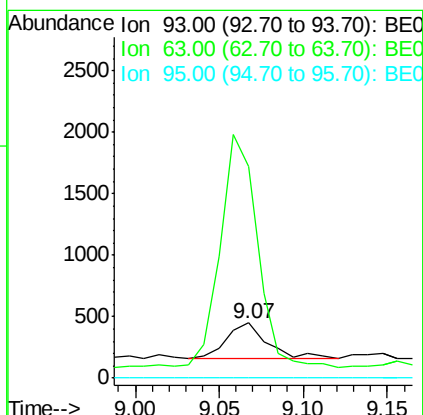
Tgt Ion: 93 Resp: 478

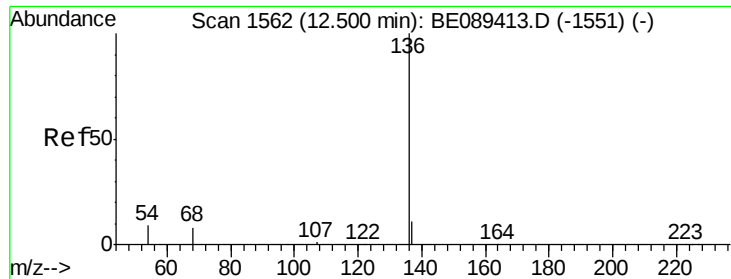
Ion Ratio Lower Upper

93 100

63 614.9 58.6 88.0#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

MPE-15

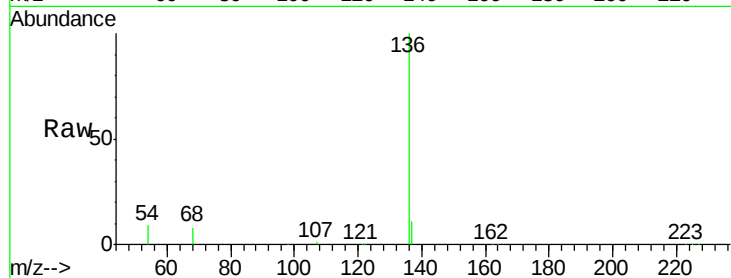
Tgt Ion: 136 Resp: 397990

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

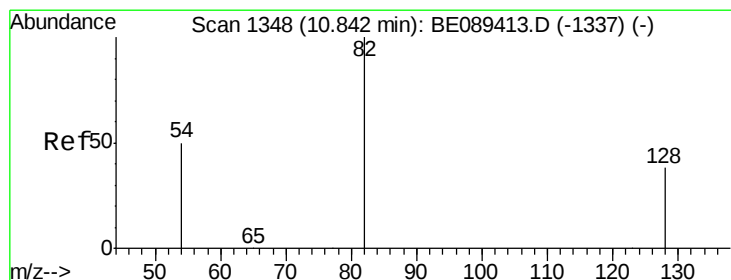
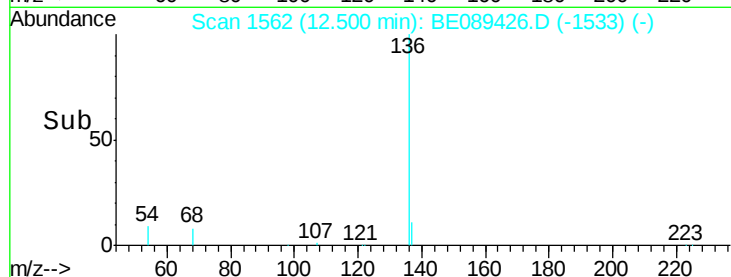
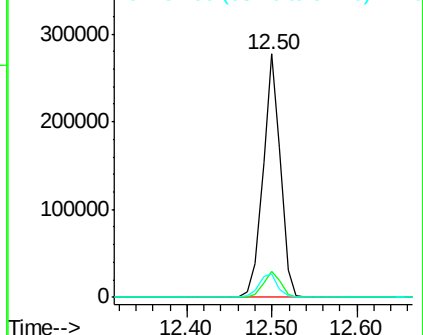
54 9.4 7.5 11.3



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 7.42 ng

RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

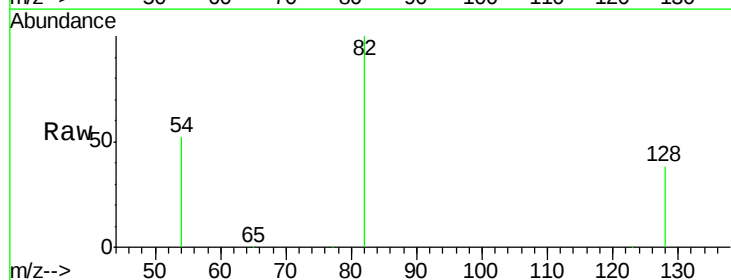
Tgt Ion: 82 Resp: 240228

Ion Ratio Lower Upper

82 100

128 37.7 31.0 46.4

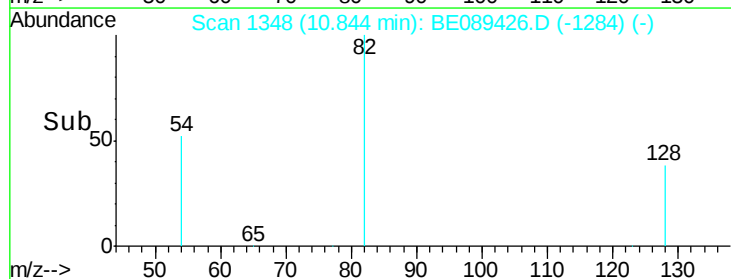
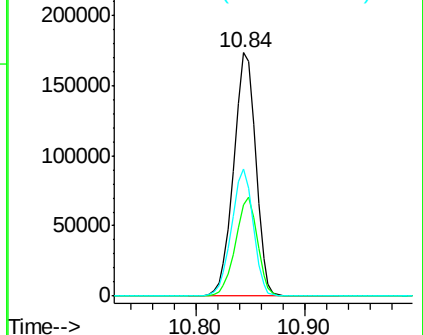
54 52.3 39.8 59.6

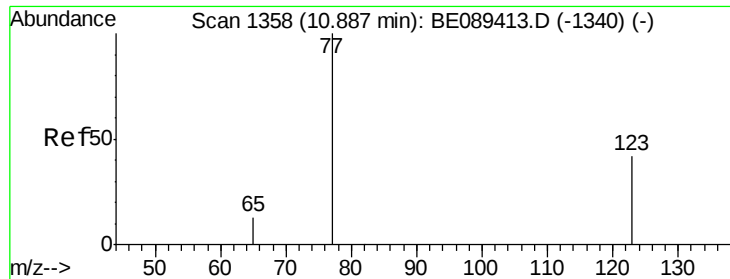


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.03 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.04 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

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ClientSampleId :

MPE-15

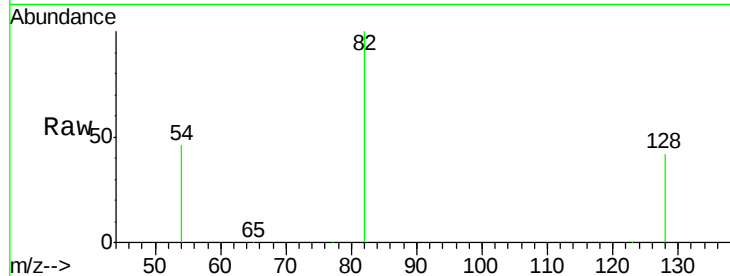
Tgt Ion: 77 Resp: 1088

Ion Ratio Lower Upper

77 100

123 5.6 32.8 49.2#

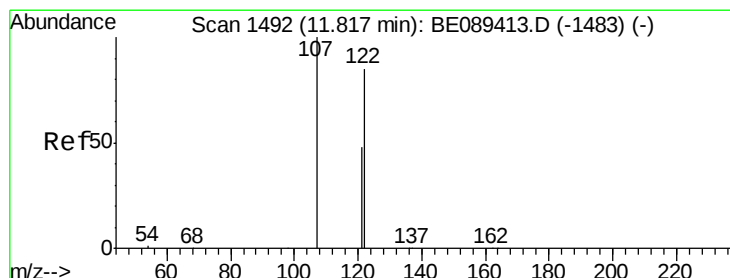
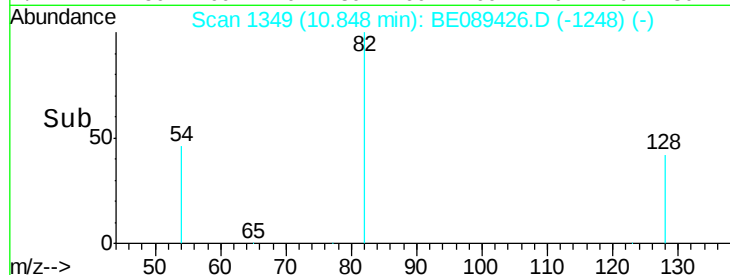
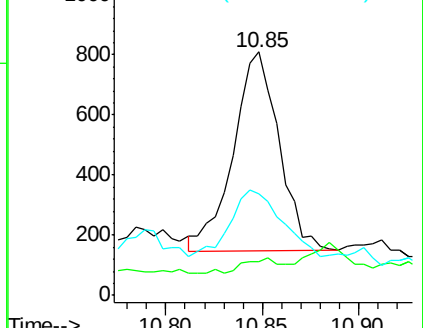
65 37.6 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.02 ng

RT: 11.86 min Scan# 1496

Delta R.T. 0.04 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

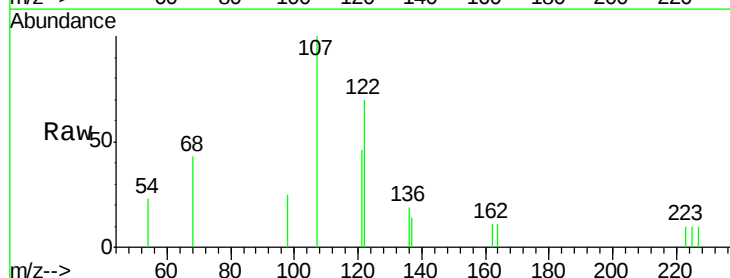
Tgt Ion: 122 Resp: 446

Ion Ratio Lower Upper

122 100

107 141.9 94.6 142.0

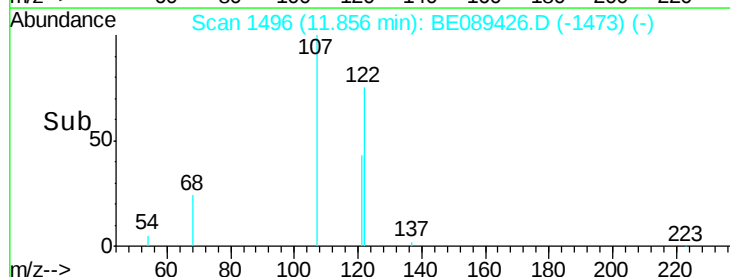
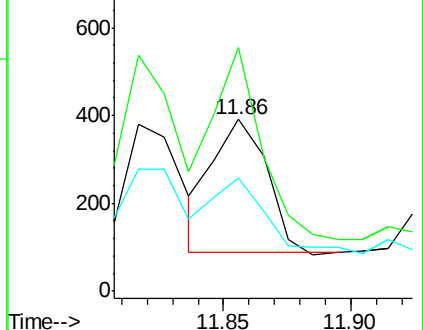
121 65.7 45.8 68.6

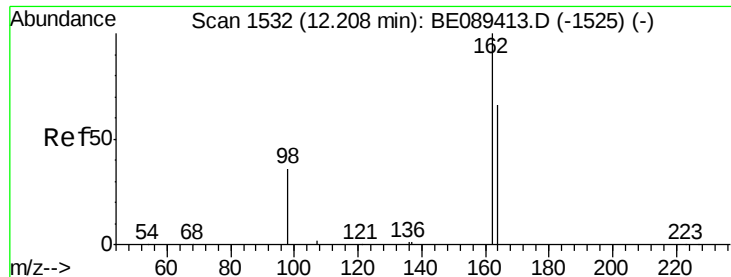


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#11

2,4-Dichlorophenol

Concen: 0.00 ng

RT: 12.23 min Scan# 1534

Delta R.T. 0.02 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

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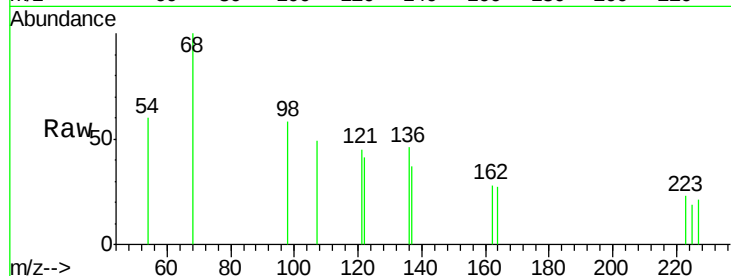
Tgt Ion:162 Resp: 27

Ion Ratio Lower Upper

162 100

164 94.7 46.1 86.1#

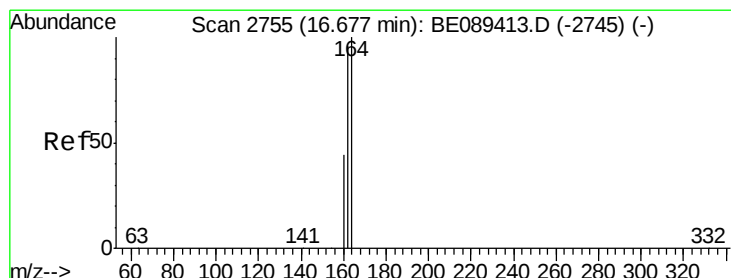
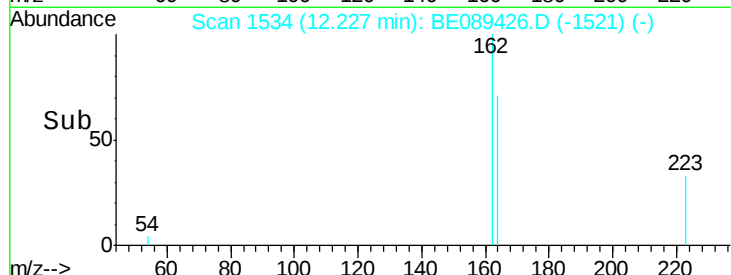
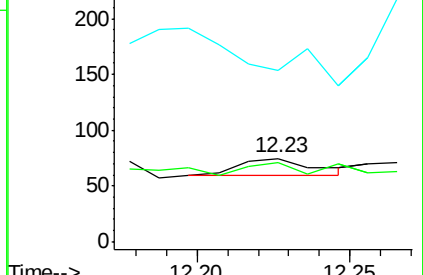
98 205.3 16.2 56.2#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BE0



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

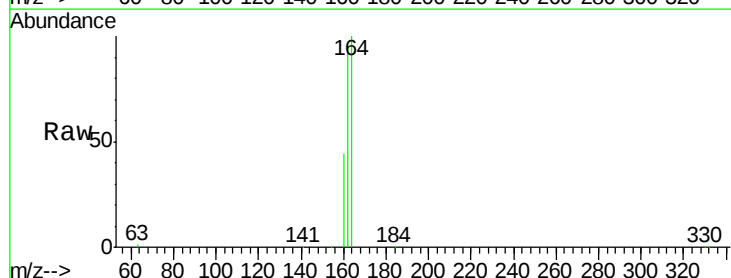
Tgt Ion:164 Resp: 184925

Ion Ratio Lower Upper

164 100

162 96.1 77.0 115.6

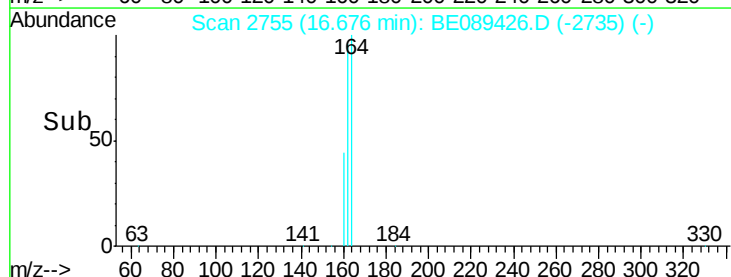
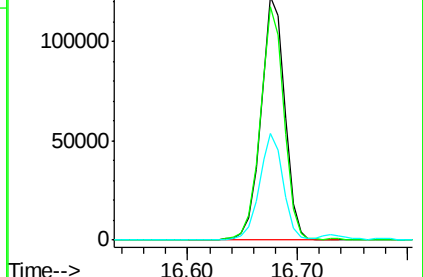
160 44.0 35.0 52.4

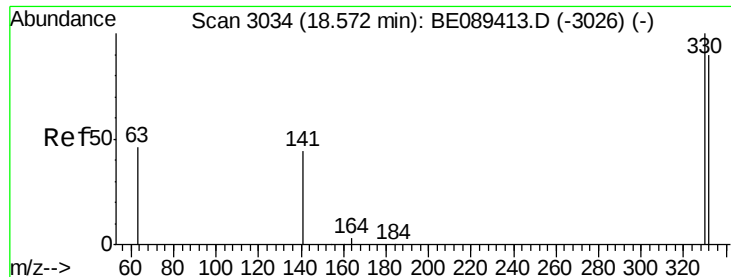


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

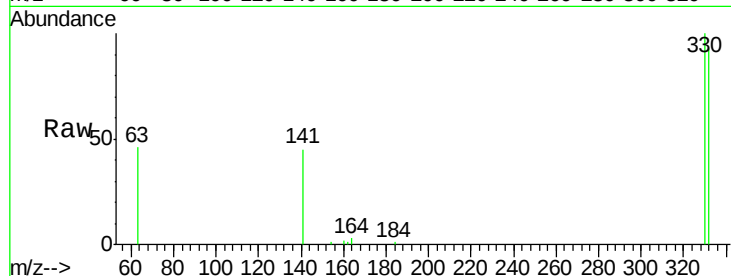




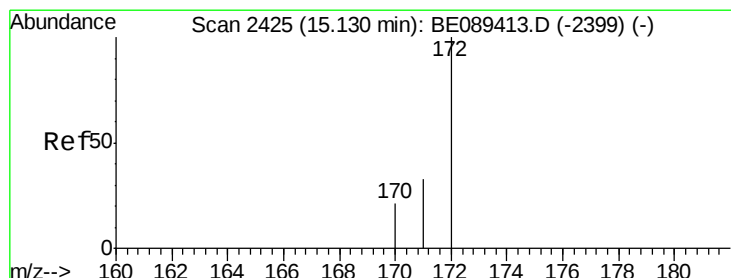
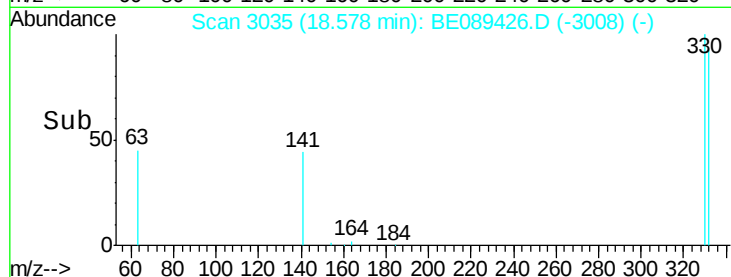
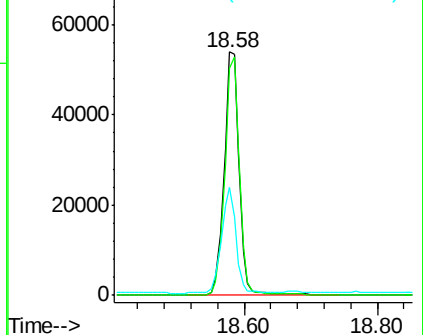
#14
 2,4,6-Tribromophenol
 Concen: 16.55 ng
 RT: 18.58 min Scan# 3035
 Delta R.T. 0.01 min
 Lab File: BE089426.D
 Acq: 30 Jan 2015 00:19

Instrument :
 BNA_E
 ClientSampleId :
 MPE-15

Tgt Ion:330 Resp: 84465
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.0 114.0
 141 42.0 35.6 53.4

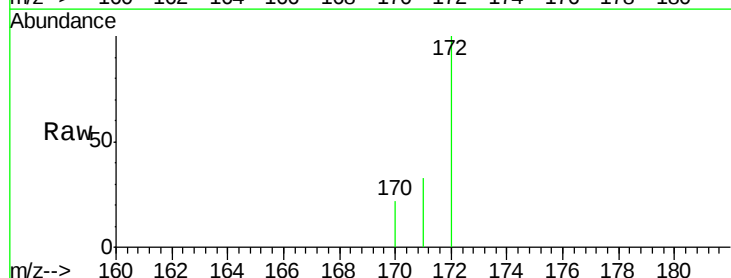


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

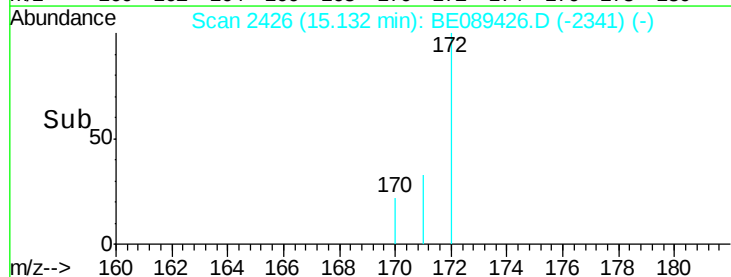
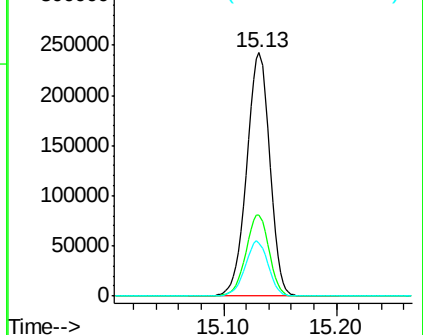


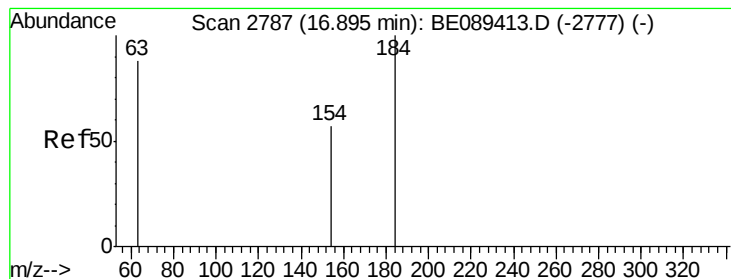
#15
 2-Fluorobiphenyl
 Concen: 6.53 ng
 RT: 15.13 min Scan# 2426
 Delta R.T. 0.00 min
 Lab File: BE089426.D
 Acq: 30 Jan 2015 00:19

Tgt Ion:172 Resp: 336791
 Ion Ratio Lower Upper
 172 100
 171 33.2 26.6 39.8
 170 21.7 17.1 25.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#16

2,4-Dinitrophenol

Concen: 0.01 ng

RT: 16.87 min Scan# 2784

Delta R.T. -0.02 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

MPE-15

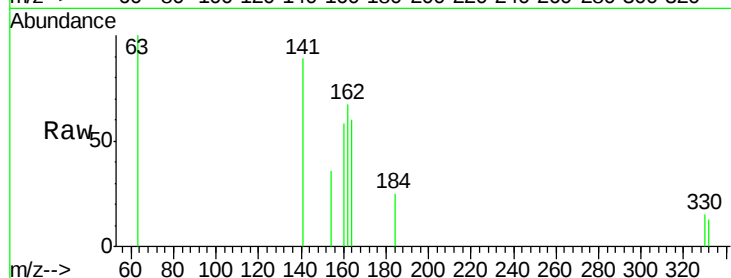
Tgt Ion:184 Resp: 18

Ion Ratio Lower Upper

184 100

63 396.7 79.0 118.4#

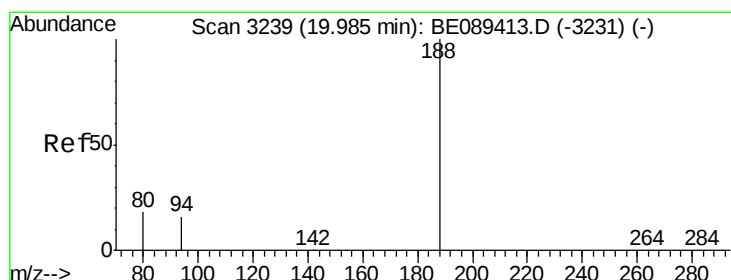
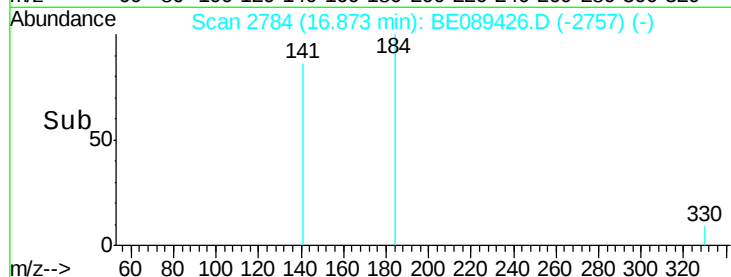
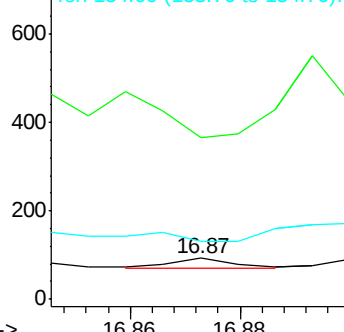
154 142.4 55.8 83.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 154.00 (153.70 to 154.70): E



#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.99 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

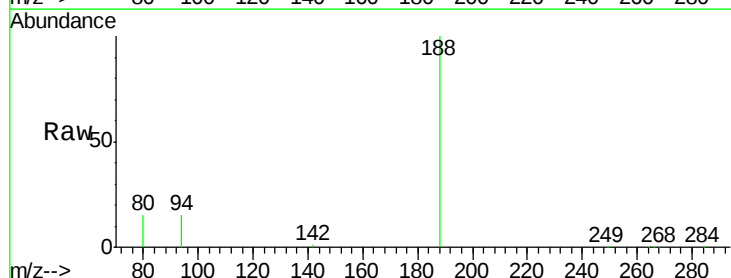
Tgt Ion:188 Resp: 382912

Ion Ratio Lower Upper

188 100

94 14.8 13.0 19.6

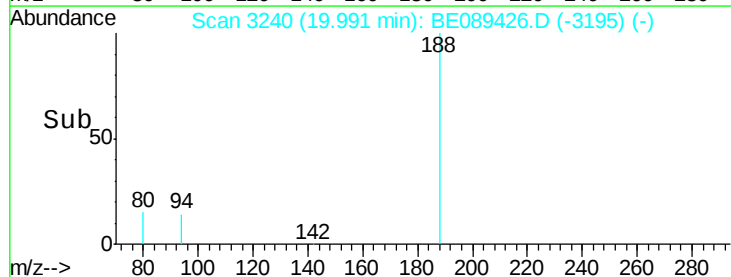
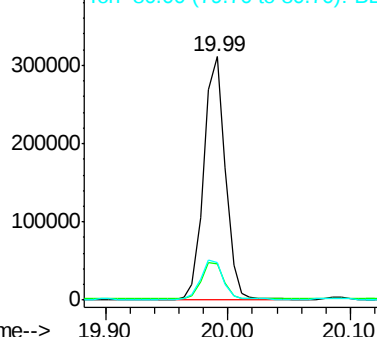
80 15.3 14.2 21.4

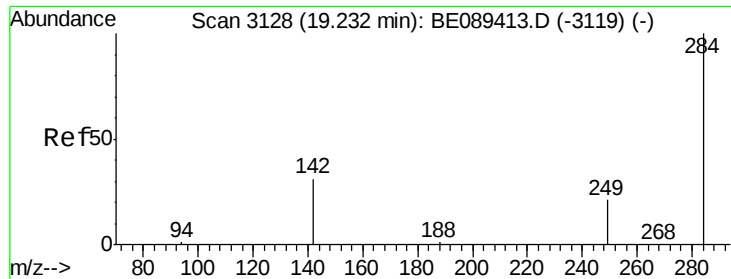


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

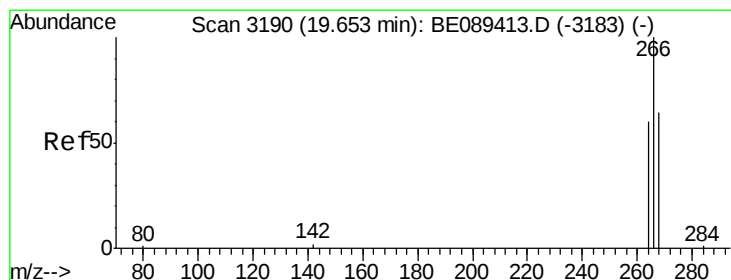
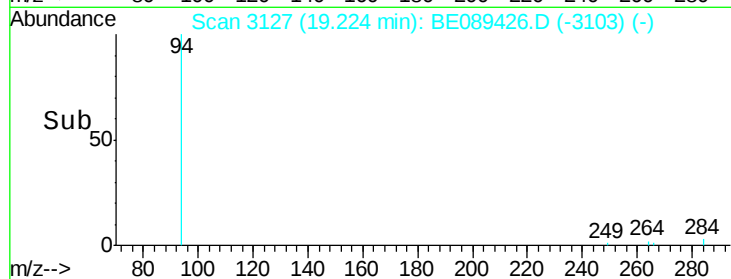
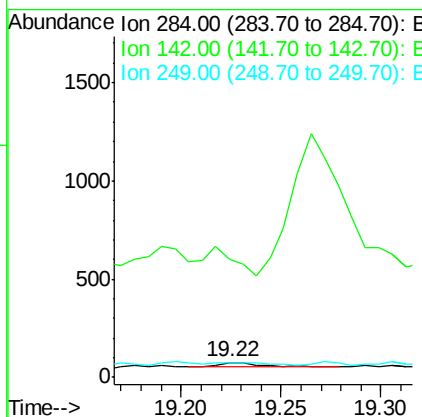
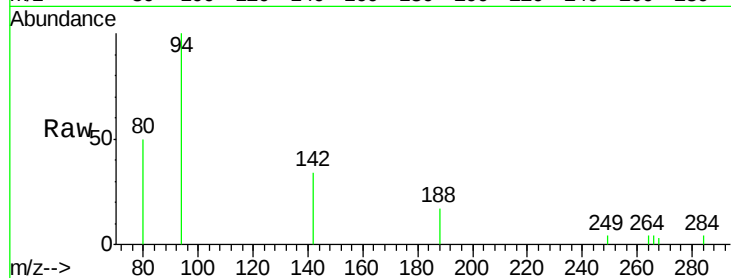




#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.22 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BE089426.D
Acq: 30 Jan 2015 00:19

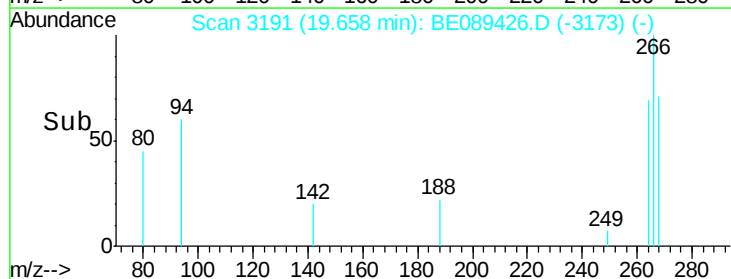
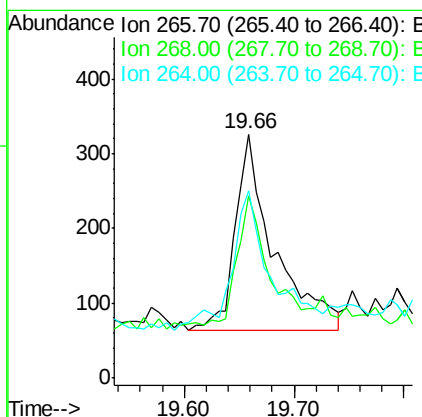
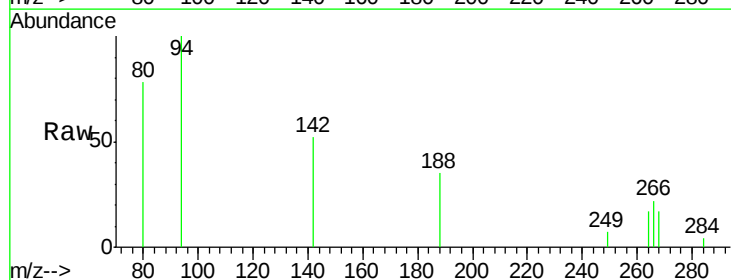
Instrument :
BNA_E
ClientSampleId :
MPE-15

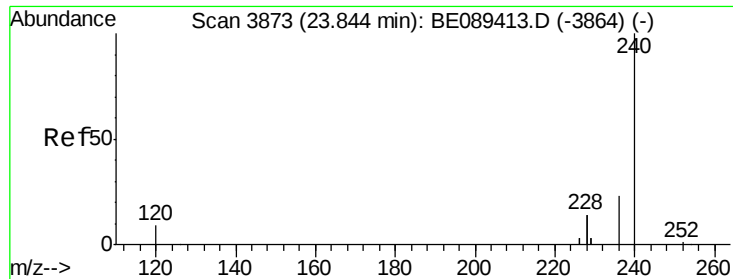
Tgt Ion: 284 Resp: 38
Ion Ratio Lower Upper
284 100
142 809.5 28.3 42.5#
249 101.4 19.9 29.9#



#19
Pentachlorophenol
Concen: 0.18 ng
RT: 19.66 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BE089426.D
Acq: 30 Jan 2015 00:19

Tgt Ion: 266 Resp: 644
Ion Ratio Lower Upper
266 100
268 74.5 51.9 77.9
264 77.0 48.5 72.7#





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.84 min Scan# 3872

Delta R.T. -0.00 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

MPE-15

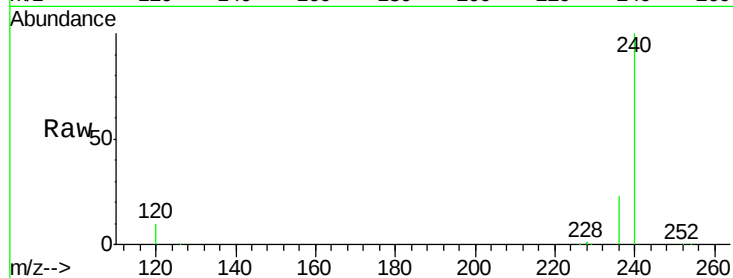
Tgt Ion:240 Resp: 521741

Ion Ratio Lower Upper

240 100

120 9.8 6.9 10.3

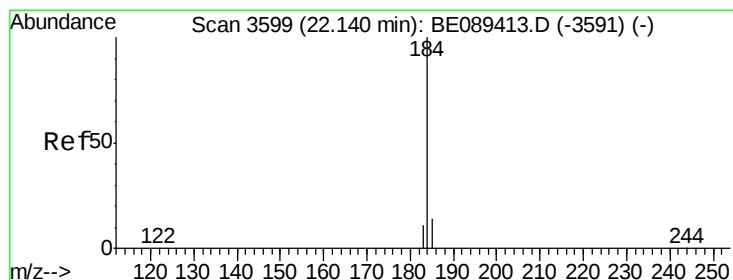
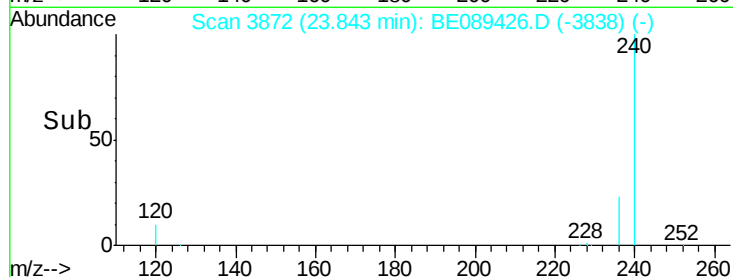
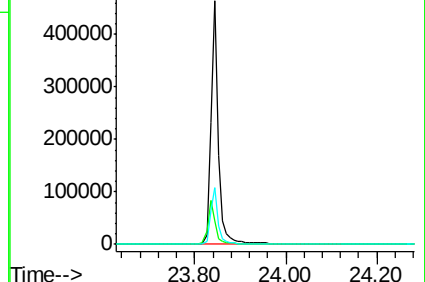
236 23.5 18.2 27.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#21

Benzidine

Concen: 0.05 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

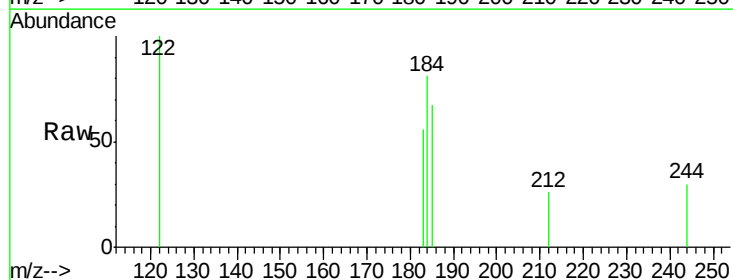
Tgt Ion:184 Resp: 2171

Ion Ratio Lower Upper

184 100

185 82.2 11.0 16.6#

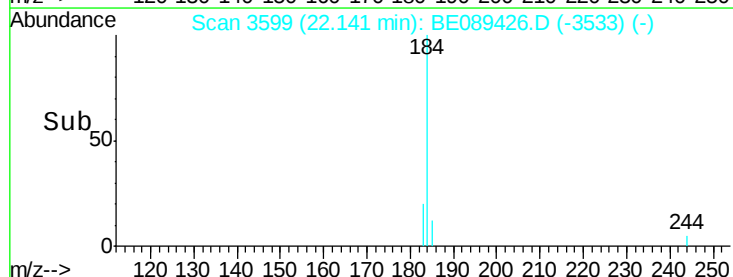
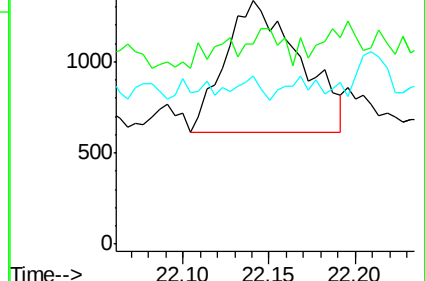
183 69.0 8.6 13.0#

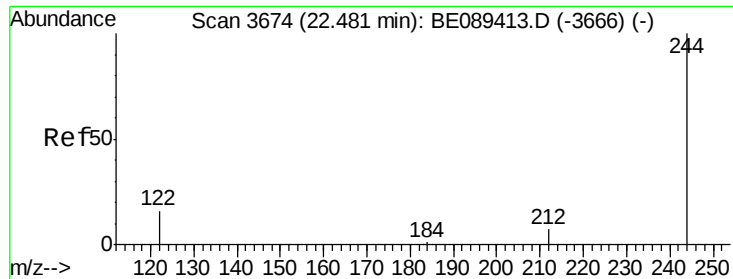


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

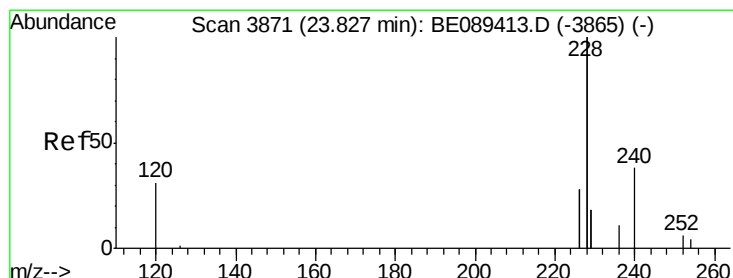
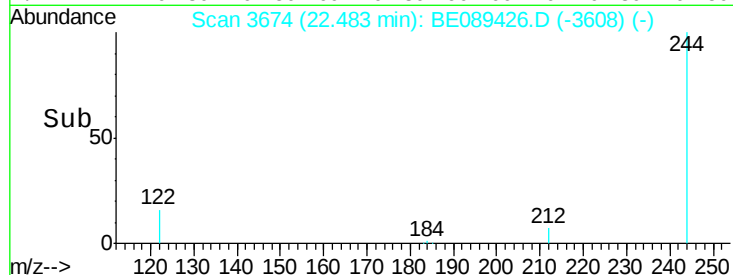
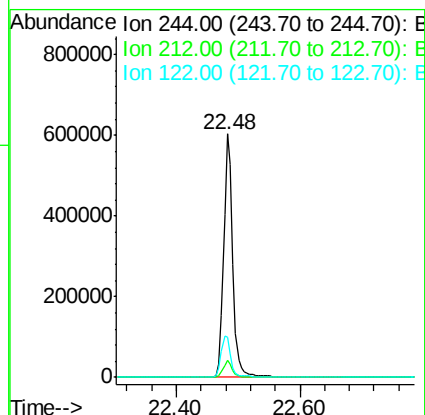
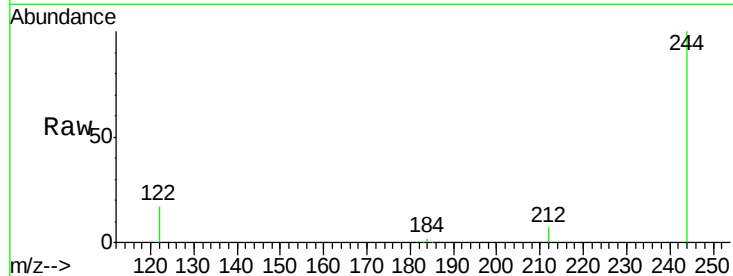




#22
 Terphenyl-d14
 Concen: 10.24 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: BE089426.D
 Acq: 30 Jan 2015 00:19

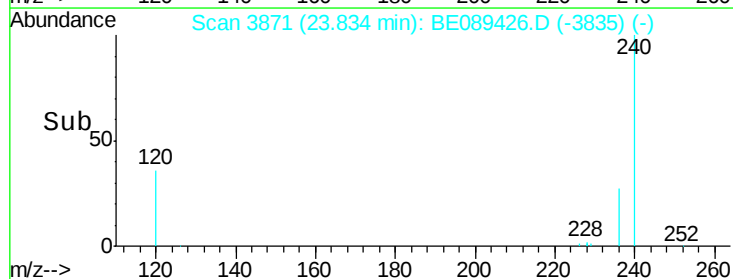
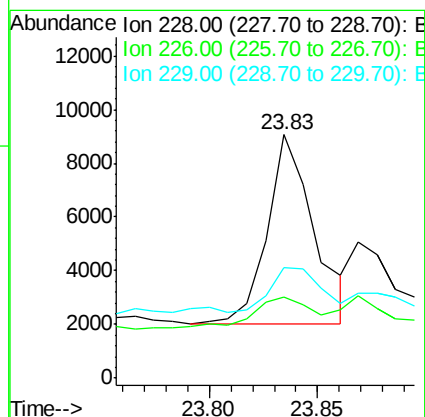
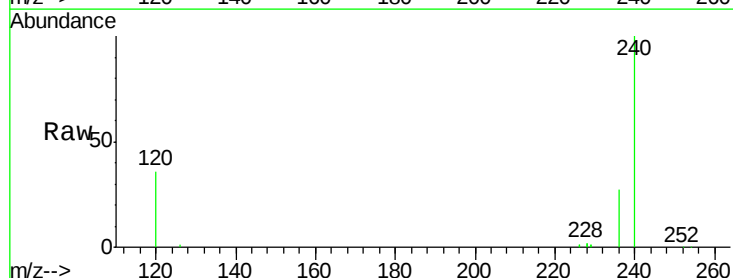
Instrument :
 BNA_E
 ClientSampleId :
 MPE-15

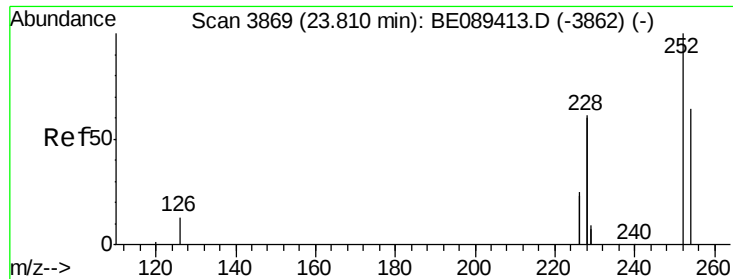
Tgt Ion:244 Resp: 617720
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 16.6 13.2 19.8



#23
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 23.83 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BE089426.D
 Acq: 30 Jan 2015 00:19

Tgt Ion:228 Resp: 10551
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.6 33.8
 229 45.3 14.5 21.7#

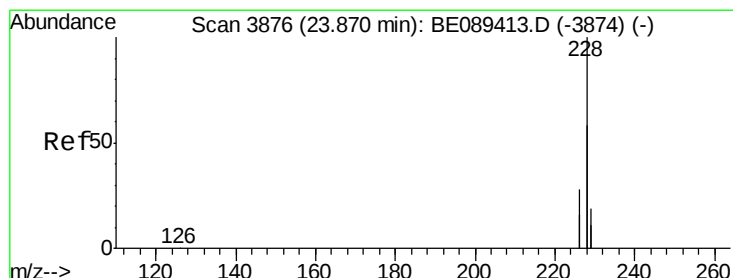
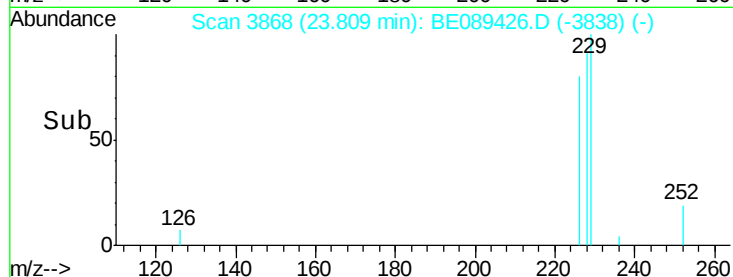
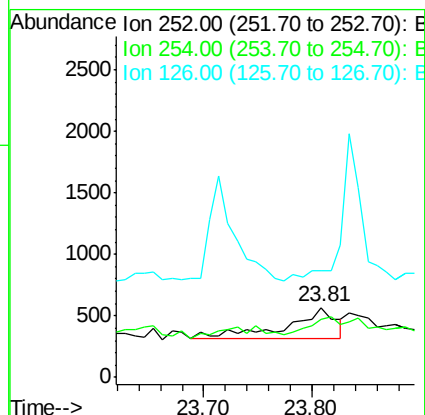
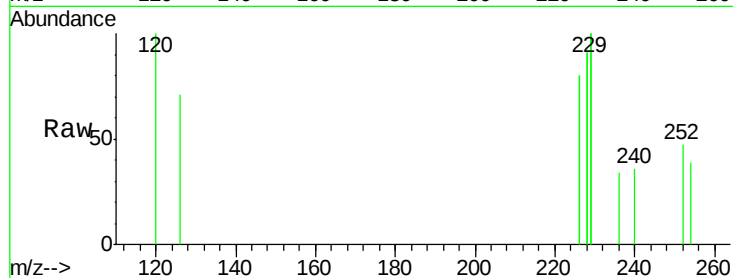




#24
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 23.81 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: BE089426.D
 Acq: 30 Jan 2015 00:19

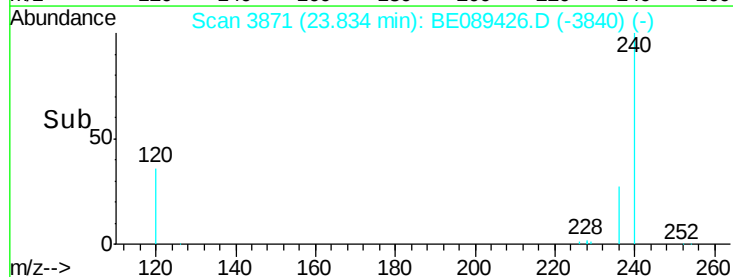
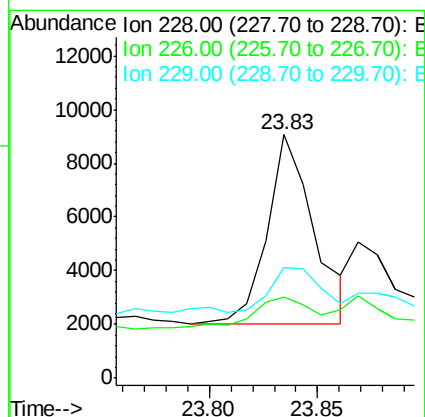
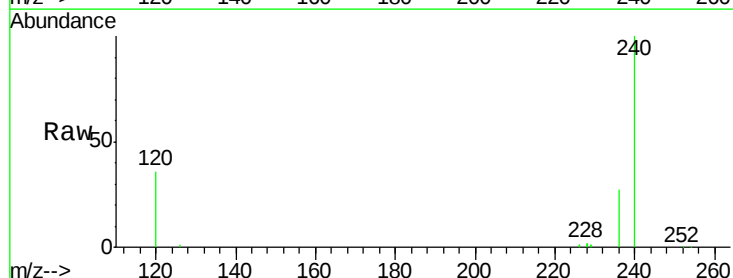
Instrument :
 BNA_E
 ClientSampleId :
 MPE-15

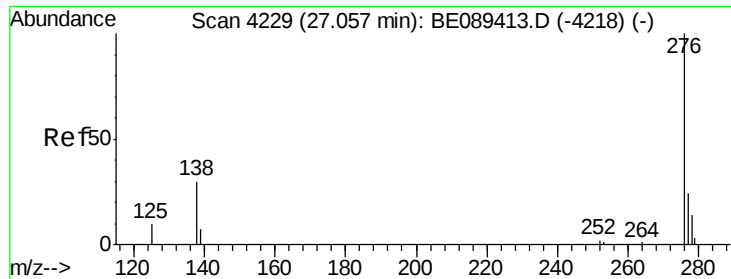
Tgt Ion: 252 Resp: 828
 Ion Ratio Lower Upper
 252 100
 254 82.8 51.1 76.7#
 126 151.4 11.5 17.3#



#25
 Chrysene
 Concen: 0.02 ng
 RT: 23.83 min Scan# 3871
 Delta R.T. -0.04 min
 Lab File: BE089426.D
 Acq: 30 Jan 2015 00:19

Tgt Ion: 228 Resp: 10551
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.6 33.8
 229 45.3 15.5 23.3#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng

RT: 27.05 min Scan# 4227

Delta R.T. -0.01 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

MPE-15

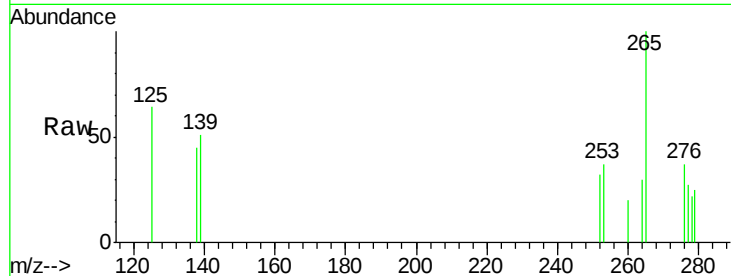
Tgt Ion: 276 Resp: 474

Ion Ratio Lower Upper

276 100

138 53.0 0.0 0.0#

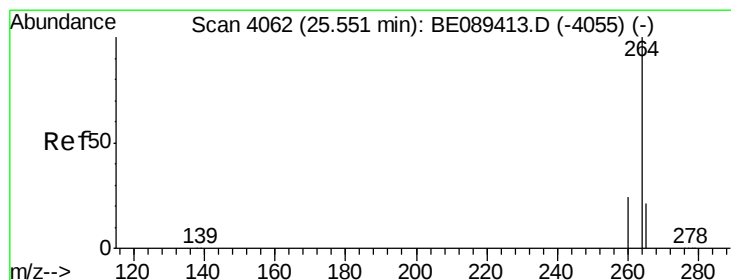
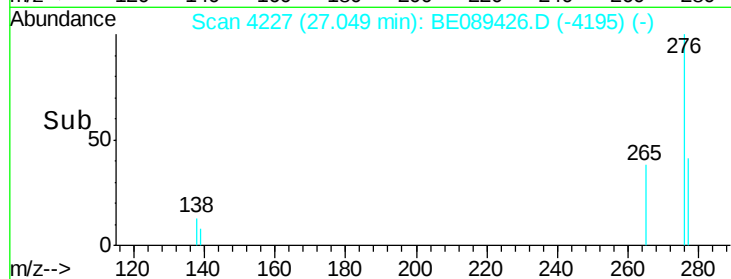
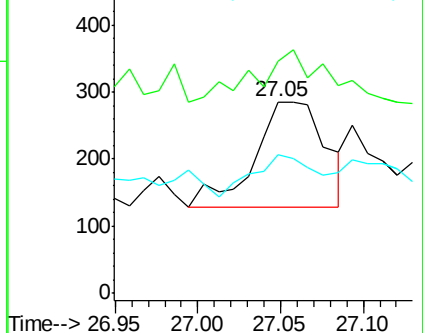
277 32.9 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. 0.00 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

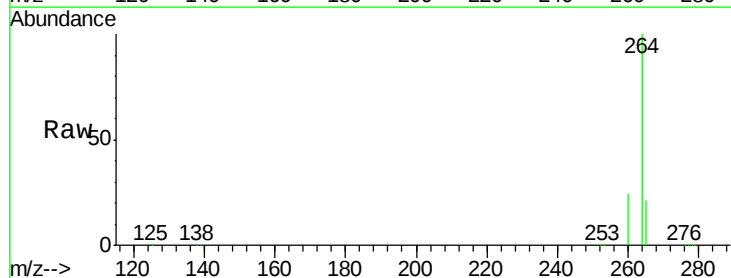
Tgt Ion: 264 Resp: 567890

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

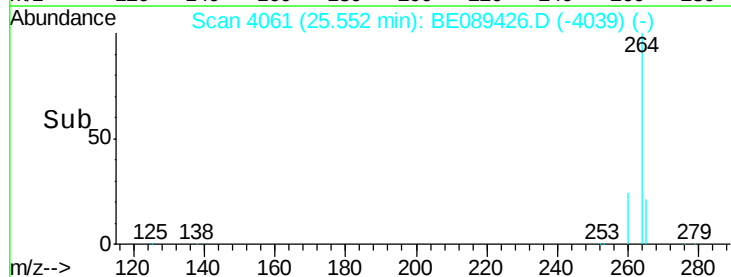
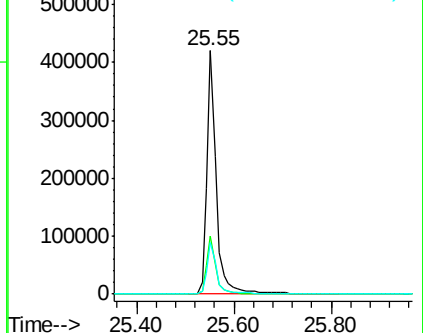
265 21.3 17.1 25.7

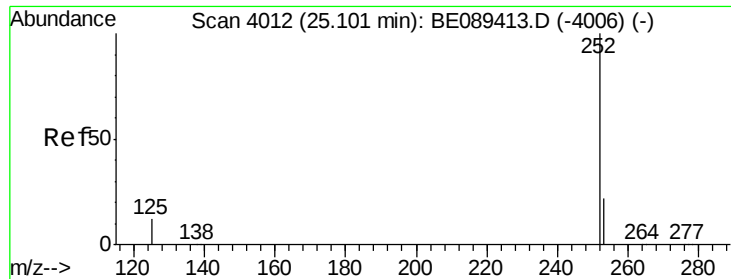


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#28

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 25.13 min Scan# 4014

Delta R.T. 0.03 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

MPE-15

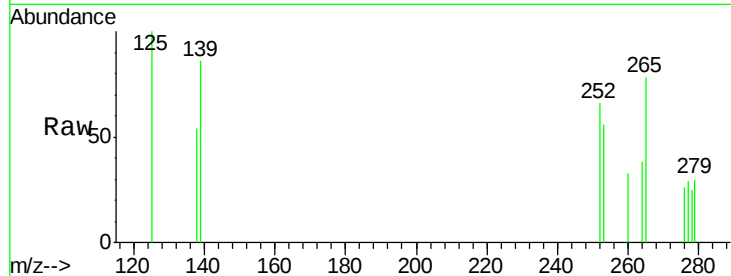
Tgt Ion:252 Resp: 1297

Ion Ratio Lower Upper

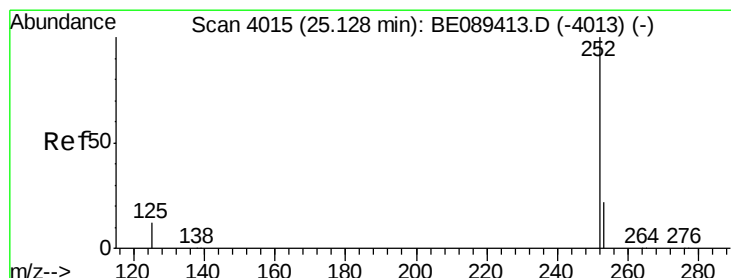
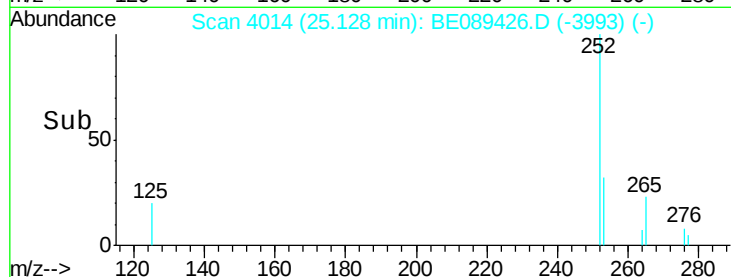
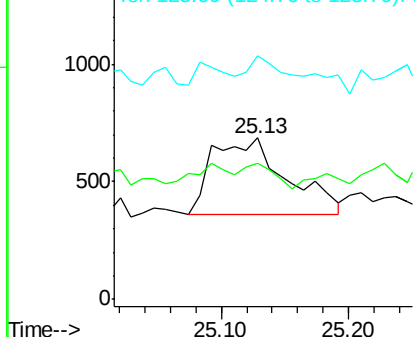
252 100

253 84.7 17.6 26.4#

125 150.9 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#29

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 25.13 min Scan# 4014

Delta R.T. 0.00 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

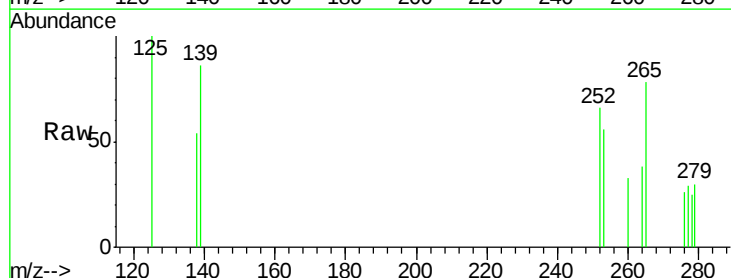
Tgt Ion:252 Resp: 1297

Ion Ratio Lower Upper

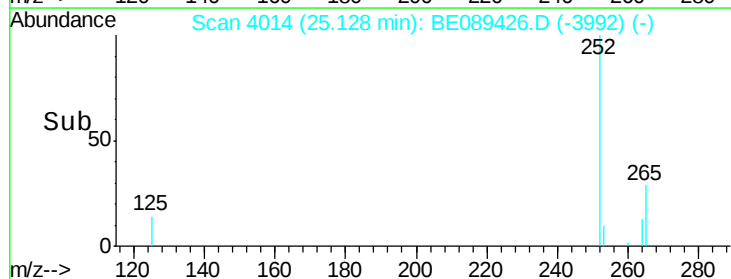
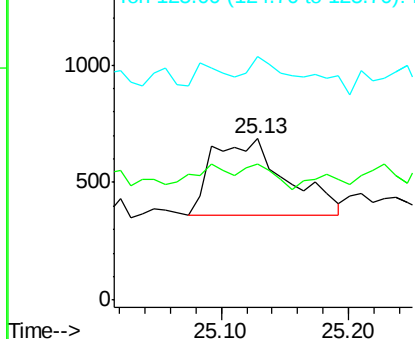
252 100

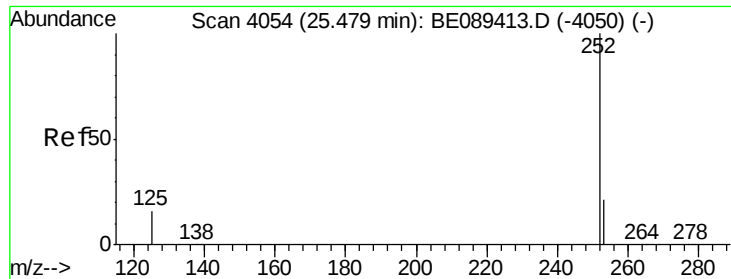
253 84.7 17.4 26.2#

125 150.9 11.0 16.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#30

Benzo(a)pyrene

Concen: 0.01 ng

RT: 25.48 min Scan# 4053

Delta R.T. 0.00 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

Instrument :

BNA_E

ClientSampleId :

MPE-15

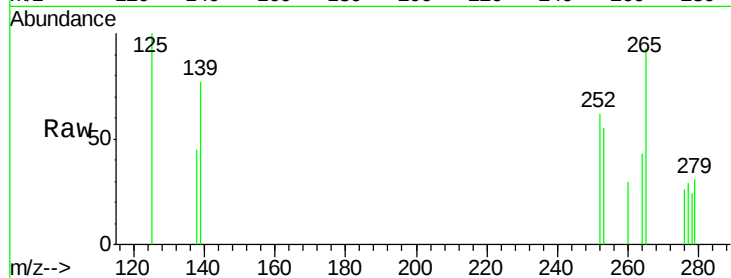
Tgt Ion: 252 Resp: 440

Ion Ratio Lower Upper

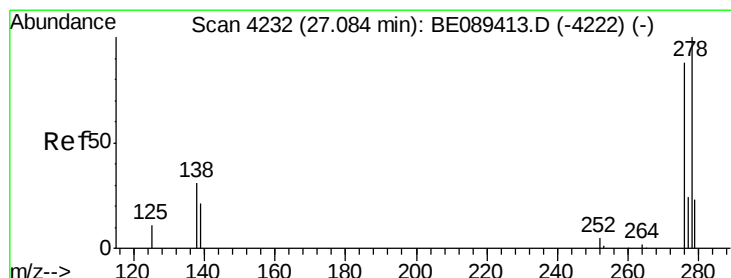
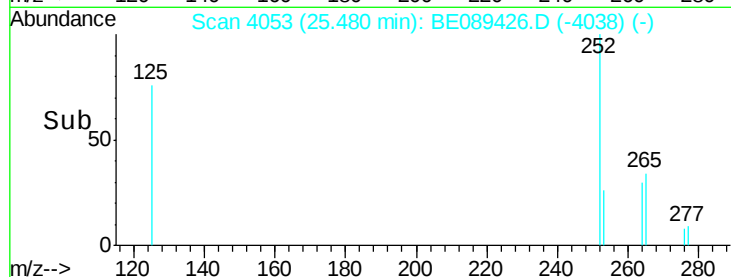
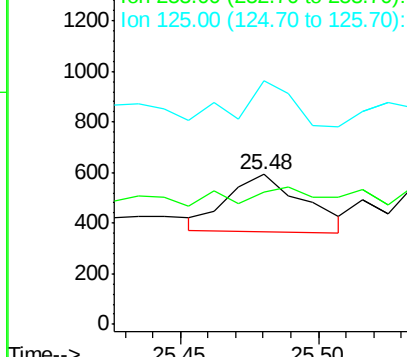
252 100

253 88.5 17.3 25.9#

125 162.4 13.0 19.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#31

Dibenzo(a,h)anthracene

Concen: 0.01 ng

RT: 27.08 min Scan# 4230

Delta R.T. -0.01 min

Lab File: BE089426.D

Acq: 30 Jan 2015 00:19

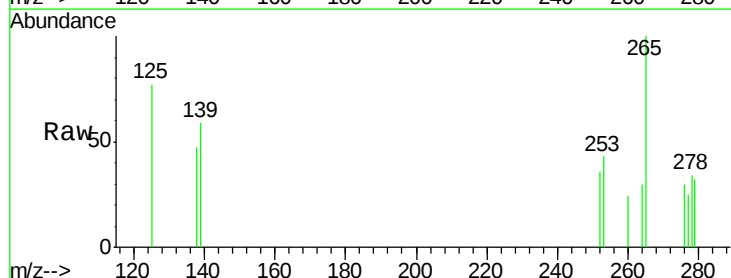
Tgt Ion: 278 Resp: 479

Ion Ratio Lower Upper

278 100

139 173.3 17.2 25.8#

279 93.5 19.2 28.8#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

